



1642

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Uwe Karsten et al.

Serial Number: 09/606,910

Group Art Unit: 1642

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Examiner: M. Tran

For: TUMOR VACCINES FOR MUC1-POSITIVE CARCINOMAS

Attorney Docket No. 0107-027

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Commissioner of Patents
Washington DC 20231

AMENDMENT

Please extend the time for response by 3 months, now to expire on December 19, 2001. Please charge the small entity fee of \$460 for the 3-month time extension to deposit account no. 060923.

Please add the following paragraph before the Field of invention.

--Cross-reference to related applications

This is a continuation of our copending application PCT

DE98/03819, filed December 30, 1998.

Please replace the abstract with the following new abstract:

Abstract of the disclosure

Tumor vaccines for the use against MUC1 positive carcinomas. A tumor vaccine containing synthetic peptides comprising sequences of the human epithelial mucin MUC1 containing the immunodominant region PDTRPAP which is glycosylated at the threonine. Preferred glycosylation of the immunodominant region is a O-glycosidically linked a-N-acetylgalactosamine (GalNAc) or short chained oligosaccharides. The present invention can be used on all MUC1-positive carcinomas.